

In the Claims

Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please amend pending claims 1, 8 and 9 as noted below.

Listing of the Claims

1. (Currently amended) A telephony device connected to a telephone line which supports multiple different telephone signal protocols, comprising:

a termination impedance circuit configured to provide an impedance associated with a frequency range of a first signal protocol, and an impedance associated with a frequency range of a second signal protocol, wherein the impedance associated with the frequency range of the second signal protocol is selectable to provide one of an off-state impedance and an on-state impedance in response to one of an off-state condition and an on-state condition associated with the second signal protocol; and

an echo cancel circuit coupled to the termination impedance circuit, the echo cancel circuit adapted to provide an adjustment to, when present, signals provided by the termination impedance circuit, the echo cancel circuit having a select signal to select the adjustment from a plurality of adjustments.

2. (Previously presented) The telephony device of claim 1 wherein the termination impedance circuit comprises at least first and second impedance elements associated respectively with the first and second protocols, and a switch network which selects different combinations of the at least first and second impedance elements to selectively provide one of the off-state impedance and the on-state impedance.

3. (Previously presented) The telephony device of claim 2 wherein the termination impedance circuit further comprises a blocking capacitor connected in series with the first impedance element.

4-7. (Canceled)

8. (Currently amended) The telephony device of claim 1, [[further comprising:
an]] wherein the echo cancel circuit includes a plurality of echo-cancel hybrid [[circuit]] networks, each of the plurality of echo-cancel hybrid networks configured to receive, when present, signals provided by the termination impedance circuit and to provide at least one adjusted signal adjusted by a respective one of the plurality of adjustments [[, in electrical communication with the termination impedance circuit, that provides an echo cancel characteristic, wherein the characteristic is selectable]]].

9. (Currently amended) The telephony device of claim 8 wherein the [[echo-cancel hybrid circuit]] echo cancel circuit further comprises[[[:]] a multiplexer[[;]]coupled to the [[and a]] plurality of echo-cancel [[hybrids coupled to the multiplexer]] hybrid networks to select one or more of the at least one adjusted signal provided by each of the plurality of echo-cancel hybrid networks.

10-15. (Canceled)

16. (Previously presented) The telephony device of claim 1 wherein the first signal protocol is associated with a DSL protocol, and the second signal protocol is associated with a POTS protocol.

17. (Previously presented) The telephony device of claim 2 wherein the switch network responds to a hook signal that indicates the off-state and on-state conditions associated with the second signal protocol.

18. (Previously presented) The telephony device of claim 1 wherein a magnitude associated with the off-state impedance is greater than a magnitude associated with the on-state impedance.

19. (Previously presented) The telephony device of claim 18, wherein the magnitude associated with the off-state impedance is greater than about 2000 ohms, the magnitude associated with the on-state impedance is about 600 ohms, and a magnitude associated with the impedance associated with the frequency range of the first signal protocol is about 100 ohms.

20. (Previously presented) The telephony device of claim 1, wherein the frequency range of the first signal protocol is associated with a range of frequency values greater than a range of frequency values associated with the frequency range of the second signal protocol.

21. (Previously presented) The telephony device of claim 1, wherein a magnitude of the impedance associated with the frequency range of the first signal protocol is substantially constant for all frequencies of the frequency range of the first signal protocol.